| In | dex | of | CI: | aim: | • |
|----|-----|-----|-----|------|---|
| | UCA | UI. | VIC | | |



Application/Control No.

10/810,669

Examiner

Reexamination

Applicant(s)/Patent under

ISHIBASHI ET AL.

Art Unit

Tuan C. To

3663

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N

Interference

Appeal Α

0 Objected

| Claim | | Date | | | | | | |] | Cla | aim | Date | | | | | | | | | | |
|-------|----------|----------|----------|--|--|--|----------|--|--|--|----------|-------|----------|-----------------|----------|----------|--------------|--------------|--|--|--|--------------|
| Final | Original | 5/24/0> | / | | | | | | | | | Final | Original | | | | | | | | | |
| | 1 | V | | ⇈ | \vdash | T | 1 | \top | \vdash | | 1 | | 51 | | | | | | | Т | Т | Т |
| | 2 | N | | F | | | _ | | | \vdash | 1 | | 52 | Г | \vdash | | | Г | | \vdash | _ | T |
| | 3 | N | | | | 1 | 1 | t | <u> </u> | <u> </u> | 1 | | 53 | | | | T | | T | | | ✝ |
| | 4 | 3 | | \vdash | | 1 | T | t | T | | 1 | | 54 | | | | l | | t | \vdash | | T |
| | 5 | V | | Г | | 1 | | t | | T | 1 | | 55 | | <u> </u> | | T | _ | † | | T | T |
| | 6 | V | | Т | | | T | | T | | 1 | | 56 | | | T | T | | İ | | | T |
| | 7 | N | | Г | | T | | T | 1 | \vdash | 1 | | 57 | | | | | | | | | T |
| | 8 | Т | | | | Π | | Π | | | 1 | | 58 | | | | П | | | | | Γ |
| | 9 | П | | | Π | | ļ | | 1 | | 1 | | 59 | П | | | | Π | Π | П | | Γ |
| | 10 | 1 | | | | | | | | | 1 | | 60 | | | | | | | | | Γ |
| | 11 | N | | | | | | | П | Г |]. ; | | 61 | | | | | | | | | Γ |
| | 12 | V | | | | | | | | |] | | 62 | | | | | Г | | | | Г |
| | +13 | | | | | | | | | |] | | 63 | | | | | | | | | Γ |
| | 14 | | | | | | | | | |] | | 64 | | | | | | · · | | | |
| | 15 | 7 | | | | | | | | | | | 65 | | | | | | | | | |
| | 16 | V | | | L | | | | | | | | 66 | | | | | | | | | |
| • | 17 | | <u> </u> | | | 乚 | <u> </u> | 乚 | | L |] | | 67 | | | | | | L | L | 乚 | L |
| | 18 | | L | | ┖ | L | L | | <u> </u> | L | 1 | | 68 | | | <u> </u> | L | | L | L | 匚 | L |
| | 19 | | | <u> </u> | L | L | <u> </u> | 匚 | <u> </u> | ╙ |] | | 69 | | | | <u> </u> | L | | <u> </u> | L | L |
| | 20 | | | | | | | L | <u> </u> | L | Į | | 70 | | | <u> </u> | L | | | <u> </u> | L | L |
| | 21 | | _ | | <u> </u> | | | | | <u> </u> | | | 71 | Ш | | | | | _ | | 匚 | |
| | 22 | L | L | | L | <u> </u> | | | | L |] | | 72 | | | | | | | L | L | |
| | 23 | | | | | | | | | L |]. | | 73 | | | L | | | | | | |
| | 24 | | L | | L. | <u> </u> | | L | | <u> </u> | 1 | | 74 | | | 匚 | <u> </u> | | <u>L</u> | <u> </u> | | L |
| | 25 | | | | L | L | ŀ | | | L | 1 | | 75 | | | <u> </u> | <u> </u> | | | | | L |
| | 26 | | | | <u> </u> | <u> </u> | | L | <u> </u> | L | 1 | | 76 | | | <u> </u> | <u> </u> | | L | | | |
| | 27 | | | | ╙ | 乚 | L | | <u> </u> | ╙ | | | 77 | | | <u> </u> | <u> </u> | | L | <u>L</u> | L | L |
| | 28 | | ļ | | L. | <u> </u> | ļ | <u> </u> | ļ | L | 1 | | 78 | | | <u> </u> | <u> </u> | | L | | | L. |
| | 29 | | ļ | L | L., | <u> </u> | _ | <u> </u> | <u> </u> | <u> </u> | 1 | | 79 | Ш | <u></u> | <u> </u> | <u> </u> | | L | L | | L |
| | 30 | _ | _ | <u> </u> | <u> </u> | ╙ | <u> </u> | <u> </u> | <u> </u> | ╙ | Į | | 80 | | | <u> </u> | <u> </u> | | ļ | | _ | L |
| | 31 | <u> </u> | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | ᆫ | <u> </u> | <u> </u> | . | | 81 | | | <u> </u> | <u> </u> | | <u> </u> | | L_ | L |
| | 32 | | | <u> </u> | <u> </u> | ┞ | ┞ | ┡ | <u> </u> | ╙ | | | 82 | | | <u> </u> | <u> </u> | | _ | | | - |
| | 33 | _ | | | <u> </u> | ├ | <u> </u> | ┡ | ↓ | ١. | . | | 83 | | | ļ | <u> </u> | | _ | ļ | ļ | L |
| | 34 | \vdash | <u> </u> | _ | _ | _ | | L | _ | L | | | 84 | Щ | | <u> </u> | _ | | <u> </u> | | <u> </u> | L |
| | 35 | _ | | | ⊢ | <u> </u> | ├ | ⊢ | - | | | | 85 | Н | | | <u> </u> | - | - | <u> </u> | <u> </u> | 1 |
| | 36 | H | - | - | _ | _ | ├_ | _ | ⊢ | | | | 86 | - | | _ | _ | ļ., | _ | ļ | | ┡ |
| | 37 | \vdash | _ | | <u> </u> | ├ | ├ | ├ | ⊢ | | 1 | | 87 | Н | _ | _ | - | - | - | H | <u> </u> | ╀ |
| | 38 39 | \vdash | - | \vdash | | \vdash | \vdash | - | ├ | | | ļ | 88 | \vdash | | - | - | <u> </u> | ₩ | \vdash | \vdash | \vdash |
| | | | <u> </u> | \vdash | \vdash | - | - | - | - | | | | 89 | $\vdash \vdash$ | | - | | | ├- | | ├ | \vdash |
| | 40 | \vdash | • | \vdash | - | \vdash | \vdash | ├- | - | ├ | | | 90 91 | \vdash | | <u> </u> | - | | \vdash | - | | - |
| | 42 | <u> </u> | - | \vdash | \vdash | \vdash | \vdash | - | | | <u> </u> | | 92 | \vdash | _ | _ | | | \vdash | ├ | \vdash | - |
| | 43 | | | | \vdash | | \vdash | - | - | \vdash | ŀ | | 93 | Н | | | | \vdash | \vdash | \vdash | ├ | ┢ |
| | 44 | \vdash | | \vdash | \vdash | \vdash | \vdash | | - | \vdash | | - | 94 | Н | _ | | \vdash | | \vdash | +- | ⊢ | |
| | 45 | \vdash | _ | | | | - | \vdash | \vdash | \vdash | | | 95 | Н | _ | | ⊢ | | - | | ├- | \vdash |
| | 46 | \vdash | | \vdash | \vdash | \vdash | \vdash | | | \vdash | 1 | | 96 | \vdash | | | | \vdash | | - | \vdash | - |
| | 47 | \vdash | _ | - | ┢ | t | \vdash | | - | | | | 97 | Н | | | | | \vdash | | | ┪ |
| | 48 | \vdash | - | <u> </u> | \vdash | \vdash | | | | | | | 98 | \vdash | _ | _ | | \vdash | \vdash | - | \vdash | \vdash |
| | 49 | | | \vdash | \vdash | | \vdash | t | \vdash | \vdash | 1 | | 99 | H | _ | | \vdash | \vdash | \vdash | \vdash | | ┢ |
| | 50 | | | | | \vdash | Н | | \vdash | | 1 1 | | 100 | \vdash | | - | \vdash | \vdash | | - | \vdash | \vdash |

| Cla | Claim | | , | | | Jau | В | | | |
|----------|----------|----------|----------|--|-------------|----------|---------------|--|--|----------|
| Final | Original | | | | | | | | | |
| | 51 | | | | | П | | П | | Г |
| | 52 53 | | | | | Г | | П | | |
| | 53 | | | | Г | Г | | \vdash | _ | \vdash |
| - | 54 | | \vdash | | 1 | - | - | | | ┢ |
| | 55 | | H | Н | 一 | - | - | | \vdash | \vdash |
| - | 56 | | ┢ | ╁ | - | - | - | - | \vdash | \vdash |
| | 57 | - | - | ├- | \vdash | - | - | - | ├ | - |
| | 50 | _ | - | _ | - | - | | _ | - | |
| | 58 | ┝ | | - | ⊢ | ├ | ├ | <u> </u> | ⊬ | ⊢ |
| | 59 | <u> </u> | ₩ | <u> </u> | <u> </u> | ╙ | <u> </u> | <u> </u> | | |
| | 60 | _ | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | _ | |
| - | 61 62 | | | _ | <u> </u> | ᆫ | | _ | | L |
| | 62 | | _ | _ | | ᆫ | | <u> </u> | | |
| | 63 | | | L_ | | L | L | _ | | L |
| | 64 | | | | | | · | | | |
| | 65 | | | | | | | | | |
| | 66 | | | | | | | | | |
| | 67 | | Γ | | | | | Г | | |
| | 68 | | | | | | | | | |
| | 69 | | | | | | $\overline{}$ | \vdash | | |
| | 70 | | \vdash | Г | | | | | | |
| | 71 | | | | H | | Т | | | |
| | 72 | _ | - | - | - | _ | _ | \vdash | | |
| - | 73 | \vdash | \vdash | \vdash | \vdash | - | \vdash | - | - | |
| | 74 | - | \vdash | - | | | - | | | _ |
| — | 75 | _ | ┢ | ⊢ | | _ | - | ├ | _ | |
| | 76 | | - | | - | - | ⊢ | _ | - | |
| | 77 | _ | - | | | - | - | ┝ | - | |
| - | 70 | | | - | - | | | | ┝ | _ |
| - | 78 79 | | | | <u> </u> | | ⊢ | <u> </u> | | |
| <u> </u> | 79 | _ | ├ | ├- | _ | | ┡ | ├- | _ | <u> </u> |
| <u> </u> | 80 | _ | | <u> </u> | | | | | _ | ļ |
| <u> </u> | 81 | _ | _ | <u> </u> | _ | | _ | <u> </u> | | |
| | 82 | | | <u> </u> | | _ | _ | | | |
| | 83 | | | ļ | L | | _ | L | L. | |
| | 84 | Щ | | <u> </u> | <u> </u> | | | <u> </u> | | |
| L | 85 | <u> </u> | L | <u> </u> | | | | <u> </u> | L | _ |
| | 86 | | | | | L. | | <u> </u> | <u> </u> | |
| | 87 | | | | | | | | | |
| L | 88 | | | | | • | | | | |
| | 89 | | | | | | | | | |
| | 90 | | | | | | | | | |
| | 91 | | | | | | | | | |
| | 92 | | | | | | | | | |
| | 93 | | | | | | | | | |
| | 94 | | | | | | | | | |
| | 95 | | | | | | | | | |
| | 96 | | | | | | | | | |
| | 97 | | | | | | | | | |
| | 98 | | | | | | | | | |
| | 99 | | \Box | | | Г | | | | |
| | 100 | | Ι | | | Г | | _ | | \Box |

| Total | 7 | | Cla | Date | | | | | | | | | | |
|--|----|-----|-------|------|--|---|--|---|---|---|---|----|---|--|
| 101 | ٦ | | | | | | | | | | | | | |
| 104 105 106 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | | Final | | | | | · | | | | | | |
| 104 105 106 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | 7 | | | 101 | | | | | | | | П | П | |
| 104 105 106 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | | | 102 | | Г | | | Г | | | | | |
| 104 105 106 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | | | 103 | | | | | | | | Г | | |
| 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | 1 | | | 104 | | Г | | | Г | | Г | | | |
| 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146 147 148 149 | 1 | | | 105 | | | | Г | | İ | | | П | |
| 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146 147 148 149 | ٦ | | | 106 | | | | | | | | | | |
| 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | ٦ | | | 107 | | | | | | | | | П | |
| 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | ٦ | | | 108 | | | | | | | | | | |
| 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | ٦ | | | 109 | | Γ | | | | | | | | |
| 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | ٦ | - | | 110 | | | | | | | | | , | |
| 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 |] | | | 111 | | | | | | | | | | |
| 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | 1 | | | 112 | | | | | | | | | | |
| 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 |] | 71 | | 113 | | | | | | | | | | |
| 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | | | 114 | | | | | | | | | | |
| 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | | | 115 | | | | | | | | L | | |
| 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 |] | | | 116 | | | | | | | | | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | | | 117 | | | | | | | | | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 |] | | | 118 | | | | | | | | | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 |] | : | | 119 | | | | | | | | | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 |] | | | 120 | | | | | | | | | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 |] | | | 121 | | | | | | | | | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 |] | | | 122 | | | | | | | | | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 |] | . | | 123 | | | | | | | | | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | 1 | . | | 124 | | | | | | | | | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 |] | | | 125 | | | | | | | _ | | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 |] | | | 126 | | | | | | | | | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 |] | | | 127 | | | | | | | | | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 |] | | | 128 | | | | | | | | Γ. | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | ٦ | | | 129 | | | | | | | | | | |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 |] | - | | 130 | | | | | | | | | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 |] | | | 131 | | | | | | | | | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | J | | | 132 | | | | | | | | | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 |] | | | 133 | | | | | | | | | | |
| 137 138 139 140 141 142 143 144 145 146 147 148 149 |] | | | 134 | | | | | | | | | | |
| 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 1. | | 135 | | | | | | | | | | |
| 137 138 139 140 141 142 143 144 145 146 147 148 149 |] | | | 136 | | | | | | | | | | |
| 140 141 142 143 144 145 146 147 148 149 |] | | | 137 | | | | | | | | | | |
| 140 141 142 143 144 145 146 147 148 149 | | | | 138 | | | | | | | | | | |
| 140 141 142 143 144 145 146 147 148 149 |] | | | 139 | | | | | | | | | | |
| 141 142 143 144 145 146 147 148 |] | | | 140 | | | | | | | | | | |
| 142 143 144 145 146 147 148 149 | J | | | 141 | | | | | | | | | | |
| 144 145 146 147 148 149 |] | | | 142 | | | | | | | | | | |
| 144 145 146 147 148 149 |] | | | 143 | | | | | | | | | | |
| 146 147 148 149 | | 125 | | 144 | | | | | | | | | | |
| 146 147 148 149 |] | | | 145 | | | | | | | - | | | |
| 147 148 149 |], | | | 146 | | | | | | | | | | |
| 148 |] | | | 147 | | | | | | | | | | |
| 149 |] | | | 148 | | | | | | | | | | |
| 150 | | 1.5 | | 149 | | | | | | | | | | |
| | _ | | | 150 | | | | | | | | | | |